

ABSTRACT

System and method for displaying a driving scene to a driver of an automobile.

The system comprises at least one camera having a field of view and facing in the forward direction of the automobile. The camera captures images of the driving scene, the images comprised of pixels of the field of view in front of the automobile. A control unit receives the images from the camera and applies a salt and pepper noise filtering to the pixels comprising the received images. The filtering improves the quality of the image of the driving scene received from the camera when degraded by a weather condition. A display receives the images from the control unit after application of the filtering operation and displays the images of the driving scene to the driver.